

5 What is Claimed is:

1. An apparatus for automatic loading of a sleeve on a device testing apparatus comprising:

a sloped loading plate for putting sleeves each having devices held therein thereon;

vertical fixation plates at both sides of the sloped loading plate;

10 carrier means fitted so as to be in contact with a lower edge of the sloped loading plate, for holding the sleeves put on, and slid down to the lower edge of, the sloped loading part, and transporting to a loading part in the device testing apparatus one by one in succession; and,

driver means fitted to the fixation plate for driving the carrier means.

15 2. An apparatus as claimed in claim 1, wherein the carrier means includes;

a driver shaft fitted across upper parts of the fixation plates having one end rotatably coupled to the motor;

20 one pair of upper pulleys fixed to both ends of the driver shaft for rotation together with the driver shaft;

a follower shaft rotatably fitted across lower parts of the fixation plates;

conveyor belts connected between the upper pulleys and the lower pulleys and fitted so as to be almost in contact with the lower edge of the sloped loading plate; and

25 steps fitted to outside surfaces of the conveyor belts at fixed intervals for lifting and transporting the sleeves at the lower edge of the sloped loading plate during the conveyor belts are moving.

3. An apparatus as claimed in claim 2, further comprising return means for, when a

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5 plurality of sleeves on the sloped loading plate are loaded on, and transported by the step, returning the sleeves back to the sloped loading plate again, leaving only one of the sleeves.

4. An apparatus as claimed in claim 3, wherein return means includes;

10 a second lower pulley fixed to the follower shaft at an outer side of the lower pulley for rotation with the follower shaft, and

15 a return pulley rotatably fitted to a middle part of an inner side of the fixation plate so as to be positioned at an outer side of the conveyor belt, connected to the second lower pulley through the second lower pulley for rotation with the second lower pulley, and having a projection at an outside circumference projected to a surface of the conveyor belt for hitting upper sleeves to fall off the step when a plurality of sleeves are loaded on the step of the conveyor belt.

5. An apparatus for automatic loading of a sleeve on a device testing apparatus comprising:

20 a sloped loading plate for putting sleeves each having devices held therein thereon; vertical fixation plates at both sides of the sloped loading plate;

25 carrier means fitted so as to be in contact with a lower edge of the sloped loading plate, for holding the sleeves put on, and slid down to the lower edge of, the sloped loading part, and transporting to a loading part in the device testing apparatus one by one in succession;

driver means fitted to the fixation plate for driving the carrier means; and,

return means for, when a plurality of sleeves on the sloped loading plate are loaded on, and transported by the step, returning the sleeves back to the sloped loading plate again,

5 leaving only one of the sleeves.

6. An apparatus as claimed in claim 1 or 5, further comprising guide rails fitted to tops of the fixation plates for guiding the sleeves being transported to the loading part.

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